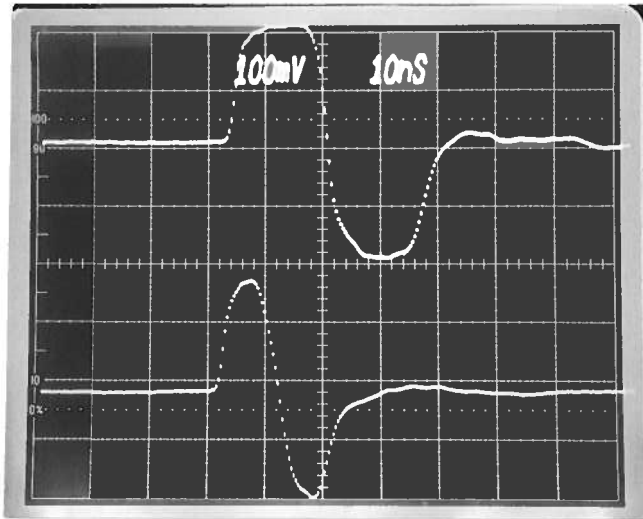


PERFORMANCE CHECK

Model: AUB2-TA-B

S.N.: 10631

Date: JUL 8 2003



a) Output signal amplitude, V_{pp} :

0 TO 400 VOLTS

b) Spurious signals WRT peak:

≤ 26 dB

c) Waveforms:

25-50 MHz

d) Prime power:

120/240 V
50-60 Hz

e) Tuning range:

25-50 MHz

f) Symmetry:

OK

g) Stability:

OK

h) PRF:

0 TO 10 KHz

60 dB ATTEN

100 VOLTS/DIV

TOP \approx 25 MHz

BOT \approx 50 MHz

PRF = 10 KHz



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
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"-B" Functional Test & Calibration Certificate

Date of test:	July 8, 2003				Tester:	MJC
Programmed model name:	AVB2-TA-B					
Programmed serial number:	10631					
Firmware revision:	2.52					
Internal trigger checked at:	1 Hz	10 Hz	100 Hz	1 kHz	10 kHz	
Actual measured output ¹ :	1.010 Hz	10.04 Hz	100.3 Hz	1.003 kHz	9.987 kHz	
External trigger checked:	yes			Gate checked:	yes	
Manual trigger checked:	yes					
Pulse compression checked:	N/A		Low Amplitude PW Distortion Nullled:		N/A	
Pulse width checked at:	10 ns	15 ns	20 ns		10 kHz, 400V	
Actual measured output ² :	10 ns	15 ns	20 ns		to 50 Ohms	
PWin = PWout mode checked:	N/A			DC mode checked:	N/A	
Duty Cycle Limit:	N/A					
Delay nullled:	yes					
Delay checked at:	100 ns	1 us	10 us	100 us	1 kHz, 400V	
Actual measured output ¹ :	101 ns	1.001 us	10.06 us	100.4 us	50 Ohms	
Double pulse checked:	N/A					
Invert mode checked:	N/A					
ECL/TTL modes checked:	N/A					
Zout switch checked:	N/A					
Amplitude checked at:	100V	400V			1 kHz, 20 ns,	
Actual measured output ² :	96V	390V			to 50 Ohms	
Amplitude polarity:	+/-, monocycle					
Zout calibration:	N/A					
Electronic amplitude control:	OK (extra feature)					
External amplify mode:	N/A					
Bleeder resistors adequate:	N/A					
Burst mode:	N/A					
Monitor V/I Ratio:	N/A			Monitor offset nullled:		
LCD Monitor calibrated:	N/A					
Offset checked at:	N/A					
Actual measured output ² :	N/A					
Offset nullled (output on):	N/A			Amplitude-dependent offset nullled:		
Offset nullled (output off):	N/A					
RS-232 checked:	yes					
LCD pull-ups installed:	yes					
PN trigger pull-downs installed:	N/A					
PW stable during amplitude changes:	yes					
Sync pulse width checked:	200 ns					
Circuit Boards:	PS:	158D	Main:	108G		
Overload Trigger Resistance:	Trips at:	20k	Installed:	15k		
DC fuses:	Positive:	1.0A, 0.5A	Negative:	N/A		
AC Current:	Quiescent:	0.217A@115V 0.161A@230V	Max. Load:	0.287A@115V 0.185A@230V		
AC fuse:	0.5A					
Fan operational:	yes					
Photographed:	yes					

¹ Checked with: Fluke PM6681 Counter (S/N 9446 066 81016),
referenced to Datum ExacTime 9390-6000 (S/N 4461) GPS Frequency Reference

² Checked with: Tektronix TDS3052 digital oscilloscope (S/N B014783) for PW ≥ 5 ns,
Tektronix 7704A/7S11/7T11/S4 sampling oscilloscope system (Cal. Label 112506) for PW < 5 ns.